PATENT COOPERATION TREATY PCT

INTERNATIONALSEARCHREPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PCT7723-7724	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No.	International filing date(day/moni	th/year) (Earliest) Priority Date (day/month/year)
PCT/JP2005/002108	04.02.2005	10.02.2004
Applicant		<u></u>
SEMICONDUCTOR ENER	GY LABORATORY CO	D., LTD.
This international search report has been p to Article 18. A copy is being transmitted	_	ng Authority and is transmitted to the applicant according
This international search report consists o	of a total of 4 sheets.	•
It is also accompanied by a co	py of each prior art document cited i	in this report.
· language in which it was filed, u	nless otherwise indicated under this has been carried out on the basis of a tr	out on the basis of the international application in the item. ranslation of the international application furnished to
b. With regard to any nucleotid	le and/or amino acid sequence dis	sclosed in the international application, see Box No. I.
2. Certain claims were found	unsearchable (See Box II).	
3. Unity of invention is lacking	g (See Box III).	NEO
4. With regard to the title,	-	CECC 7005
the text is approved as subr	nitted by the applicant.	1 1 1 3. L
the text has been established	ed by this Authority to read as foll	lows:
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5. With regard to the abstract,	(4	
the text is approved as submit the text has been established.	• • • • • • • • • • • • • • • • • • • •	s Authority as it appears in Box No. IV. The applicant
		onal search report, submit comments to this Authority.
6. With regard to the drawings,		
a. the figure of the drawings to be pu	blished with the abstract is Figu	re No3
as suggested by the appl	licant.	
as selected by this Author	ority, because the applicant failed to	suggest a figure.
b. In none of the figures is to be pu	ority, because this figure better charact	racterizes the invention 块
o. I mone of the rightes is to be pu	DIISIICU WIUI UIC ADSUACE.	

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International application No. PCT/JP2005/002108

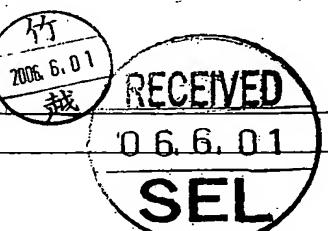
A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl. G11C16/22, G06F12/14, G06K19/07

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) Int.Cl. G11C16/06-34, G06F12/14, G06K19/07



Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Published examined utility model applications of Japan 1922-1996

Published unexamined utility model applications of Japan 1971-2006

Registered utility model specifications of Japan 1996-2006

Published registered utility model applications of Japan 1994-2006

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Category* JP 10-228422 A (MOTOROLA, INC.) 1998.08.25 1 - 14A Paragraph 0031-0034, Fig. 2, 3 & US 6076149 B1 JP 10-116493 A (Fujitsu Limited) 1998.05.06 1 - 14A Paragraph 0068-0086, Fig. 8-14 2000-207506 (NEC TOKIN Corporation) 15,16 JP. A 2000.07.28, Paragraph 0025-0030, Fig. 1 JP 2002-316724 A (Dai Nippon Printing Co., Ltd) 17 A 2002.10.31, Paragraph 0013, 0014, 0019, 0020, Fig. 3 See patent family annex. Further documents are listed in the continuation of Box C. V Special categories of cited documents: later document published after the international filing date or priority date and not in conflict with the application but cited to "A" document defining the general state of the art which is not understand the principle or theory underlying the invention, considered to be of particular relevance earlier application or patent but published on or after the interdocument of particular relevance; the claimed invention cannot national filing date be considered novel or cannot be considered to involve an document which may throw doubts on priority claim(s) or which inventive step when the document is taken alone is cited to establish the publication date of another citation or other document of particular relevance; the claimed invention cannot special reason (as specified) be considered to involve an inventive step when the document is document referring to an oral disclosure, use, exhibition or other combined with one or more other such documents, such combination being obvious to a person skilled in the art document published prior to the international filing date but later document member of the same patent family than the priority date claimed Date of mailing of the international search report Date of the actual completion of the international search 21.06.2005 03.06.2005 Name and mailing address of the ISA/JP Authorized officer 5N 8731 KIYOSHI IIDA Japan Patent Office

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3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan

INTERNATIONALSEARCHREPORT

International application No. PCT/JP2005/002108

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Category			
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
A	JP 2003-132690 A (STMicroelectronics, Inc.) 2003.05.09, Paragraph 0027-0028, Fig. 2	1-14	
A	JP 2002-251888 A (SHARP CORPORATION) 2002.09.06, Paragraph 0092-0103, Fig. 1-3	1-14	
A	JP 2001-283594 A (SHARP CORPORATION) 2001.10.12, Paragraph 0043, Fig. 1, 2	1-14	
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INTERNATIONAL SEARCH REPORT Information on patent family members

International application No. PCT/JP2005/002108

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JF	10-228422 A	1998.08.25	US 6076149 B1	2000.06.13
JP	10-116493 A	1998.08.18	None	
JP	2000-207506 A	2000.07.28	None	
JР	2002-316724 A	2000.07.28	None	
JР	2003-132690 A	2003.05.09	US 6490197 B1 EP 1282135 A2	2002.12.03 2003.02.05
JP	2002-251888 A	2002.09.06	None	
JP	2001-283594 A	2001.10.12	US 2001/0036105 A1 EP 1143455 A2 KR 392301 B	2001.11.01 2001.10.10 2001.11.14